1 Claim 1 (currently amended): A <u>computer-implemented</u> method of programmatically building

2 queries, comprising steps of:

3   programmatically identifying, for a content source, at least one element there<u>of, each</u>

4 <u>programmatically-identified element comprising a</u> [[as]] candidate query ~~parameters~~ <u>parameter;</u>

5 and

6   ~~providing the identified parameters~~ <u>displaying the candidate query parameter(s) on a user</u>

7 <u>interface display configured to allow a user to build</u> ~~for use in carrying out~~ a query [[of]]

8 <u>command to query</u> the content source<u>, wherein the user can select at least one of the displayed</u>

9 <u>candidate query parameter(s) to build the query command.</u>

1 Claim 2 (currently amended): The method according to Claim 1, wherein the programmatically

2 identifying step further comprises the step of consulting a lookup table<u>,</u> using information

3 regarding the content source<u>, to thereby determine at least one element usable as a candidate</u>

4 <u>query parameter for the user to select when building the query command to query the content</u>

5 <u>source</u>.

1 Claim 3 (currently amended): The method according to Claim 1, wherein the programmatically

2 identifying step further comprises the step of consulting a lookup table<u>,</u> using information

3 regarding [[a]] <u>the</u> user<u>, to thereby determine at least one element usable as a candidate query</u>

4 <u>parameter for the user to select when building the query command to query the content source.</u>

5 ~~for whom the query will be carried out.~~

1 Claim 4 (currently amended): The method according to Claim 1, further comprising the [[steps]]

2 step of:

3 ~~enabling a user to request addition of parameters for the query; and~~

4 programmatically identifying at least one query extension parameter for the query

5 command, responsive to a request from the user to add at least one query parameter to the query

6 command; and

7 wherein the ~~providing~~ displaying step further comprises also ~~providing~~ displaying each of

8 the at least one programmatically-identified query extension ~~parameter~~ parameters as additional

9 ones of the candidate query parameters.

1 Claim 5 (currently amended): A computer-implemented method of programmatically building

2 queries, comprising steps of:

3 obtaining, for a content source, at least one user-identified element thereof, each user-

4 identified element identified by a user and comprising a query parameter;

5 ~~enabling a user to identify elements of a content source as query parameters;~~

6 programmatically identifying, for at least one of the query parameters, at least one value,

7 each programmatically-identified value comprising a ~~values to use as~~ candidate value; ~~values in a~~

8 ~~query of the content source;~~ and

9 displaying ~~providing the identified values and~~ the query ~~parameters~~ parameter(s), and for

10 each query parameter, each of the at least one programmatically-identified candidate values, on a

11 user interface display configured to allow the user to build ~~for use in carrying out~~ a query

12   command to query [[of]] the content source, wherein the user can select at least one of the

13   displayed query parameter(s) and, for each selected query parameter, at least one of the displayed

14   candidate value(s), to build the query command.

1   Claim 6 (currently amended): The method according to Claim 5, wherein the programmatically

2   identifying step further comprises the step of consulting a lookup table, using information

3   regarding the content source, to thereby determine at least one element usable as a candidate

4   value for the user to select when building the query command to query the content source.

1   Claim 7 (currently amended): The method according to Claim 5, wherein the programmatically

2   identifying step further comprises the step of consulting a lookup table, using information

3   regarding [[a]] the user for whom the query will be carried out, to thereby determine at least one

4   element usable as a candidate value for the user to select when building the query command to

5   query the content source.

1   Claim 8 (currently amended): A computer-implemented method of programmatically building

2   queries, comprising steps of:

3   programmatically identifying, for each of at least one query parameter to be used when

4   querying a content source, at least one or more candidate query qualifiers qualifier, wherein each

5   candidate query qualifier specifies a comparator to use in determining a match; and

6   displaying the query parameter(s), and for each query parameter, each of the at least one

7   candidate query qualifier(s), on a user interface display configured to allow a user to build

8   ~~providing the identified qualifiers and the query parameters for use in carrying out~~ a query

9   command to query [[of]] the content source, wherein the user can select at least one of the

10   displayed query parameter(s) and, for each selected query parameter, one of the displayed

11   candidate query qualifier(s), to build the query command.

1   Claim 9 (currently amended): The method according to Claim 8, wherein the programmatically

2   identifying step further comprises the step of consulting a lookup table, using information

3   regarding the content source, to thereby determine at least one element usable as a candidate

4   query qualifier for the user to select when building the query command to query the content

5   source.

1   Claim 10 (currently amended): The method according to ~~Claim8~~ Claim 8, wherein the

2   programmatically identifying step further comprises the step of consulting a lookup table, using

3   information regarding [[a]] the user, to thereby determine at least one element usable as a

4   candidate query qualifier for the user to select when building the query command to query the

5   content source. ~~for whom the query will be carried out.~~

1   Claim 11 (currently amended): A computer-implemented method of programmatically building

2   queries, comprising steps of:

3   obtaining a set of one or more query parameters for querying a content source; [[and]]

4   programmatically identifying, for the obtained set of query parameters, one or more

5   candidate extensions thereto which are usable for querying the content source, each of the

6   candidate extensions comprising an additional query parameter for querying the content source;

7   and

8   displaying the set of query parameters, and the programmatically-identified candidate

9   extensions thereto, as an extended set of query parameters on a user interface display configured

10   to allow a user to build a query command to query the content source, wherein the user can select

11   at least one of the query parameters from the extended set to build the query command.

1   Claim 12 (original): The method according to Claim 11, wherein the obtaining step further

2   comprises obtaining the set as input from a user.

1   Claim 13 (original): The method according to Claim 11, wherein the obtaining step further

2   comprises programmatically determining the set.

1   Claim 14 (currently amended): The method according to Claim 11, further comprising the steps

2   of:

3   ~~enabling a user to request addition of parameters for the query; and~~

4   programmatically identifying at least one query extension parameter for the query,

5   responsive to a request from the user to add at least one query parameter to the set; and

6   displaying each of the programmatically-identified query extension parameter(s), in

7   addition to the set of query parameters and the programmatically-identified candidate extensions

8   thereto, as the extended set of query parameters

Claim 15 (currently amended): The method according to Claim 11, wherein the programmatically identifying step further comprises the step of consulting a lookup table, using information regarding the content source, to thereby determine at least one element usable as a candidate extension for the user to select when building the query command to query the content source.

Claim 16 (currently amended): The method according to Claim 11, wherein the programmatically identifying step further comprises the step of consulting a lookup table, using one or more of the obtained query parameters, to thereby determine at least one element usable as a candidate extension for the user to select when building the query command to query the content source.

Claim 17 (currently amended): The method according to Claim 11, wherein the programmatically identifying step further comprises the step of consulting a lookup table, using information regarding [[a]] the user, to thereby determine at least one element usable as a candidate extension for the user to select when building the query command to query the content source ~~for whom the query will be carried out~~.

Claim 18 (currently amended): The method according to Claim 11, further comprising the step of:

using the query command, built by the user by selecting at least one of the query parameters from the extended set, to query ~~providing the obtained query parameters and the identified extensions for querying~~ the content source.

Claim 19 (canceled)

1   Claim 20 (currently amended): A system for programmatically building queries, comprising:

2   means for obtaining a set of one or more query parameters for querying a content source;

3   [[and]]

4   means for programmatically identifying, for the obtained set of query parameters, one or

5   more candidate extensions thereto which are usable for querying the content source, each of the

6   candidate extensions comprising an additional query parameter for querying the content source;

7   and

8   means for displaying the set of query parameters, and the programmatically-identified

9   candidate extensions thereto, as an extended set of query parameters on a user interface display

10   configured to allow a user to build a query command to query the content source, wherein the

11   user can select at least one of the query parameters from the extended set to build the query

12   command.

1   Claim 21 (currently amended): A computer program product for programmatically building

2   queries, the computer program product embodied on one or more computer-readable storage

3   media and comprising:

4   computer-readable program code [[means]] for obtaining a set of one or more query

5   parameters for querying a content source; and

6   computer-readable program code [[means]] for programmatically identifying, for the

7   obtained set of query parameters, one or more candidate extensions thereto which are usable for

8   querying the content source, each of the candidate extensions comprising an additional query

9   parameter for querying the content source; and

10   computer-readable program code for displaying the set of query parameters, and the

11   programmatically-identified candidate extensions thereto, as an extended set of query parameters

12   on a user interface display configured to allow a user to build a query command to query the

13   content source, wherein the user can select at least one of the query parameters from the extended

14   set to build the query command.